

1 level like) display format (112), or graphic vertical (round-dome bubble-level like) display
2 format (113) and to the sensor alarm (45).

3 The format button (120) is used to select the display format (numeric or graphic)
4 preferred. The "ON/OFF/RESET" button (130) is used to switch the machine on and off
5 and to internally mark a particular orientation of the machine for use as a baseline/zero
6 point against which subsequent angles may be measured. The memory button (140) is
7 used to record measurements and calculations for later reference. The laser button
8 (150) is used to activate the laser reference pointer (60).

9 To exercise this embodiment, one presses the "ON/OFF/RESET" button (130)
10 and orients the measuring device by pressing the case against one surface the angle of
11 which one desires to measure. The display screen (20) will then show numeric or
12 graphic information relative to the vertical as defined by gravity. (The device will
13 automatically generate its output values according to whether it is positioned with its
14 display facing upward or with facing to one side.) At this point, one may simply observe
15 the information, or record the information by pressing the "MEMORY" button (140).

16 Additionally, one may again press the "ON/OFF/RESET" button (130) to redefine
17 the baseline/zero point to equal the present orientation. Then the device may be moved
18 to a new position and it will measure the new angle inscribed relative to the orientation
19 had at the time the "ON/OFF/RESET" button was last pushed. At this point, the output
20 values may again be observed or they may be recorded by pushing the "MEMORY"
21 button (140) for later reference.

22 If the user desires to measure an angle to a remote point, he/she may substitute
23 the laser reference pointer (60) for physical contact with the surfaces to receive angular
24 measurement. Instead of the pressing the device against the surface(s) in question,